

provides a rotating surface or part thereof and the substrate provides a film flowing substantially radially outward from the axis in dynamic contact with the agent; characterised in that additional vibrational energy is applied to the substrate.

2.(Amended) A process according to claim 1, wherein the additional vibrational energy is applied to the substrate when on the rotating surface.

3.(Amended) A process according to claim 1, wherein the additional vibrational energy is applied to the substrate as it is being supplied to the rotating surface.

4.(Amended) A process according to claim 1, wherein the additional vibrational energy is applied to the substrate after it has flowed across the rotating surface.

5.(Amended) A process according to claim 1, wherein the additional vibrational energy is applied as ultrasound.

6.(Amended) A process according to claim 1, wherein the rotating surface is mechanically vibrated.

7.(Amended) A process according to claim 1, wherein the rotating surface is mounted off-centre on the axis of rotation.

8.(Amended) A process according to claim 1, wherein the surface is flexibly mounted on the support element.

9.(Amended) A process according to claim 1, wherein a mechanical vibrator is attached to the surface or the support element.

10.(Amended) A process according to claim 5, wherein the axis is substantially vertical with the support element adapted to rotate thereabout with the surface uppermost, and wherein ultrasound is applied to the substrate from an ultrasonic emitter located above the surface.

11.(Amended) A process according to claim 1, wherein the solid phase agent is in the form of a mesh, grid or corrugated surface.

12.(Amended) A process according to claim 1, wherein the solid phase agent comprises a nucleation or growth agent adapted for fluid phase substrate conversion by phase change to form crystals or grow seed crystals.

13.(Amended) A process according to claim 1, wherein the solid phase agent comprises a reagent, catalyst or initiator adapted for fluid phase substrate conversion by reaction to form